

□ Hollow fibre membrane filter cleaning - by blowing non-oxidative gas with cleaning water into the membrane .

L20 ANSWER 113 OF 121 WPINDEX COPYRIGHT 2002 DERWENT INFORMATION LTD
AN 1988-210053 [30] WPINDEX
DNC C1988-093927
DC J01
PA (HITA) HITACHI LTD
CYC 1
PI JP 63147506 A 19880620 (198830)* 6p
ADT JP 63147506 A JP 1986-294857 19861212
PRAI JP 1986-294857 19861212
AN 1988-210053 [30] WPINDEX
AB JP 63147506 A UPAB: 19930923

Method of cleaning hollow fibre membrane filter comprises blowing gas with cleaning water into inside or outside of the membrane, so fine particulates adhering to the surface of the membrane are purged out with the cleaning water. Non-oxidative gas is used as the gas. The gas is nitrogen, carbon dioxide, inert or hydrogen gas. Cleaning water is made to flow from the inside to the outside of the membrane by the pressure of the gas. Cleaning water is made to flow from the inside to the outside of the membrane and then from the outside to the inside of the membrane.

ADVANTAGE - In the conventional cleaning using air, positive ions and ultra-fine particulates are oxidised and deposited on inner surface of the membrane, resulting in a decline of filterability. In the present method, because the non-oxidative gas is used instead of air, the deposition of oxidised matter on the inner surface of the membrane does not occur, so the cleaning of the membrane can be performed well.

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